IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.	:	10/709,433	Confirmation No.	:	3432
Applicant	:	Robert Spriggs			
Filing Date	:	May 5, 2004			
Group Art Unit	:	2174			
Examiner	:	Steven Paul Sax			
Docket No.	:	141901-1			
Customer No.	:	23413			
Title:		FACILITY MONITORING SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR OBTAINING DATA FROM NON-VOLATILE MEMORY AND VOLATILE MEMORY			

RESPONSE TO FINAL OFFICE ACTION

Mail Stop: AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

This response document is filed in response to the Final Office Action dated September 22, 2008.

IN THE CLAIMS

Please cancel claim 23 as shown below.

1. (Previously Presented): A method for obtaining data stored in a non-volatile memory and data stored in volatile memory in a facility monitoring system, comprising:

sending a first data request message from a client computer to a database computer server requesting data, the first data request message having a list of segment identifiers, a start date and time, and an end date and time;

retrieving a first data set stored in the non-volatile memory utilizing the database computer server, based on the list of segment identifiers, the start date and time, and the end date and time, wherein the first data set includes data collected from at least one sensor over a first predetermined time interval;

sending a second data request message from the database computer server to a data acquisition computer server if a portion of the data requested by the first data request message has the end date and time after the first predetermined time interval;

retrieving a second data set stored in the volatile memory utilizing the data acquisition computer server, based on the list of segment identifiers, the start date and time, and the end date and time, wherein the second data set comprises data collected from the at least one sensor over a second time interval after the first time interval;

sending a first data return message from the data acquisition computer server to the database computer server, the first data return message having the second data set;

sending a second data return message from the database computer server to the client computer, the second data return message having the second data set; and

storing at least a portion of the first data set and the second data set in a first memory, utilizing the client computer.

2. (Original): The method of claim 1 wherein the first data set corresponds to values obtained from a plurality of sensor signals measuring operating parameters associated with a plurality of devices in a plant or processing facility.

3. (Cancelled).

4. (Cancelled).

5. (Cancelled).

6. (Cancelled).

7. (Original): The method of claim 1 wherein the non-volatile memory comprises a hard drive and the volatile memory comprises random-access memory.

8. (Previously Presented): The method of claim 1 further comprising generating a graphical plot of at least a portion of the first data set and the second data set on a computer monitor, utilizing the client computer.

9. (Previously Presented): The method of claim 1 further comprising generating a data report based on at least a portion of the first data set and the second data set, utilizing the client computer.

10. (Previously Presented): The method of claim 1 further comprising exporting at least a portion of the first data set and the second data set to a first software application, utilizing the client computer.

11. (Previously Presented): A method for obtaining and displaying data stored in a non-volatile memory and data stored in volatile memory in a facility monitoring system, comprising:

sending a first data request message from a client computer to a database computer server requesting data, the first data request message having a list of segment identifiers, a start date and time, and an end date and time;

retrieving a first data set stored in the non-volatile memory utilizing the database computer server, based on the list of segment identifiers, the start date and time, and the end date and time, wherein the first data set includes data collected from at least one sensor over a first predetermined time interval;

sending a second data request message from the database computer server to a data acquisition computer server if a portion of the data requested by the first data request message has the end date and time after the first predetermined time interval;

retrieving a second data set stored in the volatile memory utilizing the data acquisition computer server, based on the list of segment identifiers, the start date and time, and the end date and time, wherein the second data set comprises data collected from the at least one sensor over a second time interval after the first time interval;

sending a first data return message from the data acquisition computer server to the database computer server, the first data return message having the second data set;

sending a second data return message from the database computer server to the client computer, the second data return message having the second data set; and

concurrently displaying at least a portion of the first data set and the second data set on a computer monitor, utilizing the client computer.

12. (Previously Presented): A facility monitoring system for obtaining data stored in a non-volatile memory and data stored in a volatile memory, comprising:

a client computer configured to send a first data request message to a database computer server requesting data, the first data request message having a list of segment identifiers, a start date and time, and an end date and time;

the database computer server configured to retrieve a first data set stored in the non-volatile memory, based on the list of segment identifiers, the start date and time, and the end date and time, wherein the first data set includes data collected from at least one sensor over a first predetermined time interval;

the database computer server further configured to send a second data request message to a data acquisition computer server if a portion of the data requested by the first data request message has the end date and time after the first predetermined time interval;

the data acquisition computer server configured to retrieve a second data set stored in the volatile memory, based on the list of segment identifiers, the start date and time, and the end date and time, wherein the second data set comprises data collected from the at least one sensor over a second time interval after the first time interval;

the data acquisition computer server further configured to send a first data return message to the database computer server, the first data return message having the second data set;

the database computer server further configured to send a second data return message to the client computer, the second data return message having the second data set; and

the client computer further configured to store at least a portion of the first data set and the second data set in a first memory

13. (Original): The system of claim 12 wherein the first data set corresponds to values obtained from a plurality of sensor signals measuring operating parameters associated with a plurality of devices.

14. (Cancelled).

15. (Cancelled).

16. (Cancelled).

17. (Cancelled).

18. (Original): The system of claim 12 wherein the non-volatile memory comprises a hard drive and the volatile memory comprises a random-access memory.

19. (Previously Presented): The system of claim 12 wherein the client computer is further configured to generate a graphical plot of at least a portion of the first data set and the second data set on the computer monitor.

20. (Previously Presented): A facility monitoring system for obtaining and displaying data stored in a non-volatile memory and data stored in a volatile memory, comprising:

a client computer configured to send a first data request message to a database computer server requesting data, the first data request message having a list of segment identifiers, a start date and time, and an end date and time;

the database computer server configured to retrieve a first data set stored in the non-volatile memory, based on the list of segment identifiers, the start date and time, and the end date and time, wherein the first data set includes data collected from at least one sensor over a first predetermined time interval;

the database computer server further configured to send a second data request message to a data acquisition computer server if a portion of the data requested by the first data request message has the end date and time after the first predetermined time interval;

the data acquisition computer server configured to retrieve a second data set stored in the volatile memory, based on the list of segment identifiers, the start date and time, and the end date and time, wherein the second data set comprises data collected from the at least one sensor over a second time interval after the first time interval;

the data acquisition computer server further configured to send a first data return message to the database computer server, the first data return message having the second data set;

the database computer server further configured to send a second data return message to the client computer, the second data return message having the second data set; and

the client computer further configured to concurrently display at least a portion of the first and second data sets on a computer monitor

21. (Cancelled).

22. (Previously Presented): An article of manufacture, comprising:

a computer storage medium having a computer program encoded therein for obtaining data stored in a non-volatile memory and data stored in volatile memory in a facility monitoring system, the computer storage medium including:

code for sending a first data request message from a client computer to a database computer server requesting data, the first data request message having a list of segment identifiers, a start date and time, and an end date and time;

code for retrieving a first data set stored in the non-volatile memory utilizing the database computer server, based on the list of segment identifiers, the start date and time, and the end date and time, wherein the first data set includes data collected from at least one sensor over a first predetermined time interval;

code for sending a second data request message from the database computer server to a data acquisition computer server if a portion of the data requested by the first data request message has the end date and time after the first predetermined time interval;

code for retrieving a second data set stored in the volatile memory utilizing the data acquisition computer server, based on the list of segment identifiers, the start date and time, and the end date and time, wherein the second data set comprises data collected from the at least one sensor over a second time interval after the first time interval;

code for sending a first data return message from the data acquisition computer server to the database computer server, the first data return message having the second data set;

code for sending a second data return message from the database computer server to the client computer, the second data return message having the second data set; and

code for storing at least a portion of the first data set and the second data set in a first memory, utilizing the client computer

23. (Cancelled).

REMARKS

Claims 1, 2, 7-13, 18-20, 22 and 23 are pending in the present application. Applicant has cancelled claim 23 herein. Applicant notes with appreciation the Examiner's indication that claims 1, 2, 7-13, 18-20 and 22 are in condition for allowance.

Claim 23 was rejected under 35 U.S.C. §102(b) as being anticipated by Moore et al (2005/0090937). Claim 23 has been cancelled herein.

In view of the remarks discussed above, it is respectfully submitted that the present application is in condition for allowance. Such action is most earnestly solicited.

If there are any charges due with respect to this Response or otherwise, please charge them to Deposit Account No. 06-1130, maintained by the applicant's attorney.

Respectfully submitted,

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